```
XX
SQ   Sequence 4 AA;

  Query Match             100.0%;  Score 21;  DB 3;  Length 4;
  Best Local Similarity   100.0%;  Pred. No. 2e+06;
  Matches    4;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 DEVD 4
              ||||
Db          1 DEVD 4


RESULT 25
AAB10870
ID   AAB10870 standard; peptide; 4 AA.
XX
AC   AAB10870;
XX
DT   30-JAN-2001  (first entry)
XX
DE   Aminocoumarin-DEVD peptide.
XX
KW   Aminocoumarin; caspase activity; chemical sensitivity; apoptosis;
KW   antitumor; chemotherapy; cancer; treatment; tumor.
XX
OS   Synthetic.
XX
FH   Key             Location/Qualifiers
FT   Modified-site   1
FT                   /note= "modified by aminocoumarin"
XX
PN   WO200054049-A2.
XX
PD   14-SEP-2000.
XX
PF   13-MAR-2000; 2000WO-EP002174.
XX
PR   12-MAR-1999;   99DE-01010956.
PR   30-APR-1999;   99EP-00108495.
XX
PA   (EVOT-) EVOTEC ANALYTICAL SYSTEMS GMBH.
XX
PI   Meyer-Almes FJ;
XX
DR   WPI; 2000-587456/55.
XX
PT   Determining sensitivity of cells to apoptotic agents, useful e.g. for
PT   selecting compounds for treating cancer, by measurement of accumulated
PT   caspase activity.
XX
PS   Example 1; Page 16; 29pp; German.
XX
CC   This invention describes a novel method for determining the chemical
CC   sensitivity of cells towards at least one substance (I) which comprises
CC   measuring (I)-induced apoptosis. The cells are incubated with (I), and
CC   then destroyed. Without preliminary separation of cells, the cumulative
CC   caspase activity (CA) is determined as a measure of apoptosis. The
CC   products of the invention have antitumor activity. The method is used for
CC   staging tumors, for identifying new chemotherapeutic agents for treating
CC   cancer, and for optimizing treatment of tumors in individual patients.
CC   Measuring cumulative CA allows specific detection of apoptosis (necrotic
CC   cells are not detected) and requires only a single measurement. The
CC   method is suitable for automation (using a standard reader for enzyme-
CC   linked immunosorbent assay) and miniaturization, requiring only 100-1000
CC   cells per test, allowing parallel processing of many samples from e.g. a
CC   fine needle biopsy specimen. Apoptosis is a very early indicator of the
CC   activity of cytostatics, so the test is significantly quicker than e.g.
CC   the MTT test which requires a 4-day incubation
XX
SQ   Sequence 4 AA;

  Query Match             100.0%;  Score 21;  DB 3;  Length 4;
  Best Local Similarity   100.0%;  Pred. No. 2e+06;
  Matches    4;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 DEVD 4
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